Table 1: April 29, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Working on getting information necessary to create plots similar to the ERBE V3 data plots. (Hess, Nguyen) • Continue monitoring TRMM operations. (Hess, Weaver) • Working on developing a fix for the UTCF issue. (Cooper, Weaver) • Developing a CM database to track subsystem configuration changes. (Rodier) • Developing parameter validation requirements for QC reporting purposes. (Escuadra, Hess, Lee, Spence) • Working with ERBE personnel (K. Bush) on developing Web based reporting tools. (Filer, Nguyen)	
2.0	Chang	• Working with Richard and Norman on testing the new spectral correction coefficients and degraded preES-8 files. (Chang) • Going over MTSA and ES-4 code to solve the Hourly Clear Sky LW Flux data out of bounds problem on ES-4. (Chang) • Added the capability to determine the CERES bin sampling to the ADM graphics Web application. Added the capability to do scene-dependent sampling to the ADM graphics Web application. The following scene-related categories are now available: Scene Independent, Scene Dependent (select one of 12 scene types), Cloud Cover Type (Clear, Partly Cloudy, Mostly Cloudy, Overcast). The updated version of the ADM graphics Web application is now available at both the CERES Data Validation Web site and the test data Web site. (Flug) • Made changes to the SurfMap IO module to read in the two dimensional surface tables correctly. (Kizer) • Working on ES-9 HDF program and PGE scripts. (Snell)	
3.0	Chang	• Combined with above.	

Table 1: April 29, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.1	Murray	• Created, integrated, and delivered monthly brightness temperature databases and emissivity maps. (Sun-Mack) • Worked on the VINT algorithm to correct some cold cloud retrievals and incorrect calculations of a revised clear temperature. (Sun-Mack, Murray) • Worked to finalize a new version of the dx tool to visualize the CloudVis products. (Gibson, Sun-Mack) • Prepared information and slides for Clouds' presentation at CERES STM. Produced statistics for Cloud identification percentages, cloud properties, and radiance saturation, etc. (Sun-Mack, Murray) • Checked the Clouds interface to Stowe's AOT algorithm to ensure proper units. (Sun-Mack). • Added additional off-line validation products to facilitate geolocation studies and Stowe algorithm verification. (Murray) • Completed Delivery to CM. Facilitated testing. Identified differences in expected and SSIT produced data. Source of these differences is probably the changing utcpole.dat file. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	
4.4	McKinley	• Delivered code to CM with minor clean-up changes (tied to clouds redelivery for science). (Miller) • Implemented code to convert geodetic subsatellite point to a satellite vector without using toolkit ephemeris call. (Miller) • Continued validation of the TRMM SSF using DX. (Miller) • Tested SS4.4 using SGI 7.2 FORTRAN 90 compiler. There still seems to be a problem with references an element of a structure array. (Miller) • Started development of software to convert S8 to geodetic IES format. (Miller) • Continued reviewing the SSF User's Guide. (Miller) • Developing convolution web page. (Dunton, Miller)	

Table 1: April 29, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.5	Nolan	• Completed work on new Test 5 record HDF SSF file and associated software and documentation. (Franklin and Nolan) • Initiated testing of 32 and 64 bit SGI F90 compilers and the latest version of CERESlib on blizzard. Compilation in both modes failed for PGE, CER4.5-6.2P1. (Franklin and Nolan) • Created a temporary version of the ssf2hdf code that will create an HDF file containing only specific SDSs. (Franklin) • Continued work on a Software Bulletin to outline the use of attributes and dimensions on CERES HDF output products. (Franklin) • Initiated work to create a stand-alone program to evaluate spectral correction and Scene ID algorithms. (Nolan) • Continued updates to SW Surface Flux Model B (Staylor Algorithm) software. (Nolan)	
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Continued implementing Science Team suggestions into software package to read multiple CRS files. (Gupta) • Processed two hours of CRS data at the SCF at the request of the Science Team. (Gupta) • Found and corrected error in module to compute QC report statistics, and redelivered it to the DAAC. (Coleman) • Prepared presentation regarding SARB software status for SARB Working Group meeting at the CERES Science Team meeting. (Coleman)	
7.2	Coleman	• Combined with above.	
12.0	Coleman	• Delivered MOA_IO with optimized logic for TISA's PMOA processor to CERESLib. (Kizer) • Working to get Regrid MOA to run with the 64-bit SGI 7.2 compiler. Specifically, working on ancient contributed code for NCEP data. (Kizer) • Prepared presentation regarding different sources of water vapor for SARB Working Group meeting at the CERES Science Team meeting. (Kizer)	

Table 1: April 29, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
7.1	Jimenez	• Combined with below.	
8.0	Jimenez	• Combined with below.	
10.0	Jimenez	• Completed modifications to include spectral albedo directional models. Testing in progress. (Jimenez) • Began working on Test Plan and Delivery Memo for upcoming delivery. (Jimenez) • Updated a subroutine to accommodate the CERES 20 surface types (was still using the old ERBE types). (Jimenez) • Generated binary files from SS10 for plotting on the web. (Jimenez, Raju) • Successfully compiled the TISA Averaging code using the SGI 7.2 compiler. We have not yet attempted to run the code. (Raju) • Continued working on evaluation code to compare computed output with expected output during SSI&T. (Raju)	
6.0	McKoy	• Using an improved version of the MOA_IO module, the post-MOA processor has decreased its processing time for a month from 99 hours to 12 hours. (McKoy, Kizer) • Looking at the TISA Gridding software that was delivered for the 30-day test for the SSF hours that failed. The post-processor for subsystems 6 and 9 failed due to write errors in the output of the main processor. Removing these hours, the post-processor ran successfully for both subsystems 6 and 9. (McKoy) • Preparing the TISA Gridding software for its next delivery. (McKoy) • Working on the read software for the TISA Gridding products. Completed the software to create a binary monthly FSW from the HDF monthly FSW. Began writing the software to compare the binary file generated from the HDF with the original monthly binary files. By doing this, if someone preferred to use the binary file instead of the HDF, they will be able to generate the binary files from the HDF files. (Nguyen)	

Table 1: April 29, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
9.0	McKoy	• Combined with above.	
11.0	Stassi/ Fan	• Modified the GGEO PCF generators to pick up SamplingStrategy, ConfigurationCode, ProductionStrategy, Software SCCR#, and Data SCCR# from environment variables. (Fan) • Modified the goes C program to be run correctly under 64-bit mode. (Fan, Stassi) • Completed the QC report formats for the GGEO main- and post- processors. (Stassi, Fan) • Set up the file directories and scripts to automatically create plot files after GGEO production processing. (Liu, Stassi) • Ran the GOES-8 Dec'97 data through the GGEO main-processor. Reran the post-processor with all four satellite inputs. (Stassi) • Delivered GGEO to CM and the DAAC. (Stassi)	
CERESlib Stassi/ Fan		• Re-Installed the CERESlib version from Nov. 14, 1997 on samantha in a separate location for Nichele. This was a simple exercise using CVS. (Stassi) • Made a delivery of CERESlib to CM and the DAAC with new surfmap and moa i/o modules. (Kizer, Stassi)	
CM	Ayers	• Tested and delivered CERES Subsystems 4.1 - 4.4 (Clouds), 11.0 (GGEO), and CERESlib to the DAAC. (Ayers)	
IST	Flug	• No new updates.	